

Message Text

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C O N F I D E N T I A L OECD PARIS 07451

EXCON

E.O. 11652: XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW - IL 1500.2 NI - THYRISTORS

REF: 1) COCOM DOC REV (74) 1500 NI 2/2 (BEING POUCHED)

WPAFB FOR HOWARD STEENBERGEN

SUMMARY: THE US PROPOSED FIGURE OF MERIT EQUATION FOR THYRISTORS MET UNANIMOUS RESERVES BECAUSE IT WAS VIEWED AS TOO COMPLEX AND POSSESSING ADMINISTRATIVE PROBLEMS. THE US STATED A WILLINGNESS TO LOOK INTO THE POSSIBILITY OF USING THE DI/DT CHARACTERISTIC ONLY AND INCORPORATING IT INTO THE UK PROPOSAL PREVIOUSLY DISCUSSED. ACTION REQUESTED: THAT THE TECHNICAL TASK GROUP REVIEW ITS RECOMMENDATIONS IN THE LIGHT OF ROUND II DISCUSSIONS AND INSTRUCTIONS BE FORWARDED AS SOON AS POSSIBLE CONCERNING REVISION OF THE US PROPOSED FORMAT. END SUMMARY.

1. DISCUSSION OPENED ON MARCH 21, 1975 CENTERING ON THE US PROPOSAL TO JUDGE THYRISTORS SOLELY ON THE BASIS OF A FIGURE OF MERIT (REF. 1) PREPARED ON BASIS ON INSTRUCTIONS CARRIED BY STEENBERGEN. THE UK WAS JOINED BY THE NETHERLANDS IN THE VIEW THAT THIS FIGURE OF MERIT DEFINITION SUFFERS IN TWO AREAS: A) NOT ALL PARAMETERS ARE
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GIVEN ON ALL DATA SHEETS AND, B) THIS COMPUTATION WOULD

MAKE ADMINISTRATION AN UNATTRACTIVE CHORE. THEY EXPRESSED THE VIEWS THAT PERHAPS DI/DT ONLY BE USED IN CONJUNCTION WITH THEIR OWN PROPOSAL. THE UK SUGGESTED A FIGURE OF 500 AMPERES PER MICROSECOND WHILE THE NETHERLANDS SUGGESTED 2000 AMPERES PER MICROSECOND. THE US EXPRESSED A WILLINGNESS TO TAKE ANOTHER LOOK AT ITS PROPOSAL WITH THE ABOVE CONCEPT AS A POSSIBLE SOLUTION. THE NETHERLANDS WANTED TO MAKE SURE THAT THE FINAL FIGURE CHOSEN DID NOT EMBARGO THYRISTORS WITH FAST TURN-OFF TIMES FOR MOTOR CONTROL.

2. THE FRENCH SUGGESTED USING TWO FIGURES OF MERIT TO DIFFERENTIATE BETWEEN THOSE USED FOR TELEVISION SCANNING AND THOSE USED FOR PULSE MODULATORS IN RADARS. BOTH THE NETHERLANDS AND UK VIEWED THIS POSSIBILITY WITH DISDAIN CLAIMING AN INSURMOUNTABLE ADMINISTRATIVE PROBLEM WOULD ARISE.

3. THE JAPANESE DID NOT LIKE THE USE OF DI/DT AT ALL CLAIMING IT WAS NOT ALL DATA SHEETS. THE US ASKED THE JAPANESE TO MAKE KNOWN ITS FINAL VIEW ON INCLUSION OF THIS PARAMETER IN A REVISED DEFINITION TO AVOID UNNECESSARY WORK BY US EXPERTS IN PREPARING A SOLUTION OF THE PROBLEM IN THIS MANNER PRIOR TO ROUND III.

4. ACTION REQUESTED: RECONSIDERATION OF US COUNTERPROPOSAL. THERE IS OBVIOUS PREFERENCE FOR EXISTING FORMAT IN IL 1544 AND, UNTIL WE HEAR FROM THE JAPANESE, IT IS NOT SURE THAT WE WOULD GET AGREEMENT (AT ANY LEVEL) OF A DI/DT PARAMETER.
TURNER

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